The University of Texas at Austin
Texas Union MicroCenter
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Christmas Issue

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In this special Christmas issue of the Texas Union MicroCenter newsletter you will find sectons covering the following: a complete product list, upcoming products, software evaluations by our own MicroCenter employees, news about Microsoft Basic, MacWrite upgrades, and Jazz (the new Lotus product), Information about IBM and Hewlett-Packard hardware soon to be sold through the MicroCenter, the December class schedule, the importance of software registration, why you should keep us posted on any address changes, our store location and hotline number. Enjoy the newsletter and Happy Holidays!

Latest Prices and Products

Software is pouring out for the Mac. Below is a complete price list for all MicroCenter Products. Fairly New items are signified by **.

MACINTOSH Personal Computer w/WP	$1160.00
with Write/Paint	N/C
MAC 512K	$1985.00
with Write/Paint	N/C
512K expansion kit	$775.00
Mac External Disk Drive	$360.00
Imagewriter Printer w/Acc. kit	$443.00
Acc Kit for Mac/Imagewriter	included in pkg above
**Imagewriter Stand	$34.00
Apple Modem 300 w/Mac acc. kit	$165.00
Apple Modem 1200 w/Mac acc kit	$365.00
AccKit for Mac/Modem	included in pkg above
Numeric Keypad for Mac	$75.00
Macintosh Carrying Case	$75.00
**Imagewriter Carrying Case	$40.00
Security Kit for Macintosh	$37.00
3.5" Discs (10/Pkg)	$37.00
Cloth Ribbon, Imagewriter, each	$10.00
**Disaperf Paper (250 Sheets)	$5.25
**Disaperf Paper (1000 Sheets)	$15.95
**Disaperf Paper (2500 Sheets)	$35.00
MacWrite/MacPaint Software	$110.00
**Macintosh PASCAL Software (programming language)	$83.00
**MacTerminal (terminal emulator)	$69.00
**MacProject (project management)	$83.00
DB Master (database manager)	$99.00
MegaFiler (file manager)	$99.00
MegaMerge (mail merge, works w/MegaFile)	$69.00
MS-Multiplan (spreadsheet)	$99.00
MS-Basic (programming language)	$75.00
MS-Chart (business graphics)	$65.00
MS-Word (word processor) available in Jan.	$99.00
MS-File (file manager) available in Jan.	$99.00
The Apple Macintosh Book, C. Lu (book)	$12.00
MS-Package Deal (includes Plan, Chart, Basic, Mac Book)	$167.00
**Presentation Graphics on the Mac (book-about Chart)	$14.00
**MacWork/MacPlay (book)	$14.00
Habadex (mailing list mgr., appt. calendar)	$79.00
HabaDialer (telephone dialer, works w/ Habadex)	$39.00
**Micro/File 40 (disk box)	$11.95
**Colored Ribbons (for Imagewriter) each	$7.00
**Through the Looking Glass (arcade style chess)	$29.00
Infocom: Zork I (text adventure game)	$25.95
Infocom: Zork II (text adventure game)	$29.95
Infocom: Zork III (text adventure game)	$29.95
Hayden: Sargon III (chess game)	$32.95
**Hayden: Musicworks (music composition)	$51.95
Pensate (game)	$25.95
Deadline (text game)	$32.95
Frogger (arcade game)	$25.95
**MacAttack (arcade tank game)	$31.95
Infidel (text adventure game)	$29.95
Starcross (text adventure game)	$32.95
Witness (text adventure game)	$25.95
**Blue Chip Software: Millionaire (stock market game)	$39.95
MacForth Lvl 1 (programming language)	$96.95
**MacForth Lvl 2 (programming language)	$160.95
**Softech: UCSD Pascal Development System	$131.00
**Softech: FORTRAN-77 Development System	$198.00
**Softech: Advanced Development Toolkit	$100.00
**Softech: Pascal Compiler	$100.00
**Softech: FORTRAN-77 Compiler	$151.00
Software Arts: TK! Solver (equation solver)	$159.95
Kensington: Swivel Base (twist and shout)	$22.95
Kensington: Surge Suppressor (power protection)	$36.95
Macintosh T-SHIRT	$6.25
MAC Baseball Shirt	$8.00
MAC Sweatshirt	$15.00

Lisa 2 Applecare-per year	$210.00
Profile Hardisc Applecare-per year	$150.00
Lisa 2/10 Applecare-per year	$360.00
Macintosh Applecare-per year	$84.00
512k MAC Applecare-per year	$112.00
Mac External Drive Applecare-per year	$36.00
Numeric Keypad Applecare-per year	$18.00
Imagewriter Applecare-per year	$48.00
Daisy Wheel Applecare-per year	$152.00
Applemodem 300 Applecare-per year	$18.00
Applemodem 1200 Applecare-per year	$24.00

Lisa 2	$2350.00
Lisa 2/5	$3025.00
Lisa 2/10	$3810.00
ProFile Disk drive	$1315.00
ProFile AccKit for Lisa	$40.00
Daisy Wheel Printer w/Lisa acc	$1550.00
Acc Kit for Lisa/DWP	included in pkg above
DWP Tractor Forms Feeder	$205.00
Multi-Strike Ribbon (DWP)	$9.00
Boldface Printwheel	$10.00
Courier 10 Printwheel	$10.00
Gothic 15 Printwheel	$10.00
Prestige Elite Printwheel	$10.00
AppleModern Printwheel	$12.00
AppleModern Addl Characters	$12.00
AppleModern Italics PW	$12.00
Imagewriter w/Lisa acc. kit	$443.00
Acc Kit for Lisa/Imagewriter	included in pkg above
1/2 Megabyte memory bd.	$1076.00
AppleModem 300 w/Lisa AccKit	$165.00
AppleModem 1200 w/Lisa AccKit	$365.00
AccKit for Lisa/Modem	included in pkg above
MacWorks (Mac operating system)	$140.00
Pascal (program development system)	$200.00
Lisa 7/7 Office System	$460.00

Upcoming Products

Software release dates seem to always slip further into the future. I remember when Microsoft Word was coming out in June. When Odesta was asked in May if they still expected to have Helix out in June they responded "Yes-June 60th." It now seems that Helix will be released between June 210th and June 240th (December or January on a normal calender). Here in normal calender terms are the projected release dates for several popular products:

Microsoft Word	Dec./Jan.
Microsoft File	Jan./Feb.
MacDraw	Jan./Feb.
MacBasic	Feb./Mar.
Assembler/Debugger	Dec./Jan.
Disked Based MacWrite	January
Lotus Jazz (Symphony for Mac)	March
Professional Composer	Dec./Jan.

Many of you have probably noticed that many products are advertised as being available in Macworld and various other publications only to find that they are not yet shipping. This is because these publications have 6-8 week lead times. Be patient. All good software takes time.

Product Evaluations

Zork Series I,II,III

The *Zork Series* is a trilogy of text adventure games beginning from the Great Underground Empire to the ultimate meeting with the Dungeon Master. Each of the games is a unique, yet a common theme exits among them.

Zork I starts out with the perils and predicaments ranging from the mystical to the macabre. The adventurist strives to discover the twenty treasures of Zork, attempting to escape with them and his life. *Zork II* takes the adventurist to a meeting with the Wizard, who resides in the depths of the subterranean realm. The Wizard will use capricious trickery to attempt to confound those who enter his domain. *Zork III* is a test of the adventurist's wisdom and courage. The odyssey culminates in an encounter with the Dungeon Master himself.

The *Zork Games* are among the most popular computer adventure games and are highly recommended to adventure enthusiasts.

Chris Teo

Millionaire

Millionaire is a stock market simulation game. It trys to emulate a random market process. It is a really neat game and everyone ought to try it. You will experience the thrill of high finance while learning basic stock market terms, skills strategy and concepts.

At the begining of the game, the computer creates a new stock market environment, just for you. The environment consists of 91 weeks. 13 weeks has passed so that you will have a history of trends to plot your strategy to becoming a millionaire. The same environment is never created twice.

There are 6 different status levels. You start out as a novice. As you progress and make more money, you raise your status from an investor to a speculator and to the ultimate status of a millionaire.

It is really fun because each week the situations are different.

Karen Quek

Deadline

An interactive text adventure game from Infocom in which you have 12 hours to solve a murder. You must explore the house where the deed was done, piecing together the clues you find. You start the game with a police dossier on the crime and your wits--be careful or one of the characters may do you in!

Infidel

Stranded in the middle of the sweltering Egyptian Desert, abandoned by your followers, pursued by the vultures of death, your only hope is to make it to the fabled lost pyramid--where your troubles really begin, and you can strike it filthy rich! The game is by Infocom, whose text adventure games are unsurpassed in the industry.

Witness

The time: February 1938. The place: Los Angeles. The case: one dead high society lady, killed in a sordid family affair. Your job: to crack the case within 12 hours and not get stiffed in the process. This Infocom game comes complete with a police file of evidence to work with.

Pensate

Tired of text adventure games? Pensate is a graphics game carved from a classic tradition. It takes only a few minutes to learn but provides hours of Mac entertainment. There are 10 types of opposing pieces, each with its own computer-controlled moves. The object of the game is to move your single piece from the bottom to the top of the playing board without crashing into one of the computer-controlled pieces. You determine the level of difficulty by deciding how many pieces you will match wits with . You also have the option of planning from one to four moves ahead.

Julie Webb

Sargon III

Sargon III by Hayden Software, dubbed "the world's finest microcomputer chess program", is internationally recognized as the ultimate chess software for players of all skills and interests. Some of the Sargon III features include 9 different levels of play ranging from beginner to master, an opening library of over 68,000 moves, and the most sophisticated algorithm in chess software. Also contained in the software package is "the ultimate program for learning chess." Sargon III has the most complete, easy-to-use documentation and with it you may...

Take back moves
Change sides w/Sargon III
Replay a game
Ask Sargon III to suggest a move for you
Review and analyze any of the 107 great games of history provided on disk
Sharpen tactical skills by studying one of 45 classic chess problems

Coupled with high quality Macintosh graphics and the "sweep and click" mouse action for making moves and selections, Sargon III is the best move you can make in microcomputer chess software.

Frogger

Frogger is based on an arcade-style game found in most video arcades. The goal of the game is to maneuver frogs across a highway teeming with tractors. trucks and speeding cars, then cross a river filled with floating logs, diving turtles and frog-hungry alligators. Points are awarded when frogs successfully reach the safety of the opposite bank. With excellent Macintosh graphics, this game is ideal for arcade enthusiasts.

Starcross

Starcross transports you into the year 2186 where you rendevous with a gargantuan starship from the fringes of the galaxy. Upon docking with the craft, you come face to face with alien beings and proceed to explore the mysterious world which surrounds you. Once aboard the Starcross, words of the immortal Spock ring in your ears, "may you live long and prosper"!

Microsoft Package

The Microsoft software package is an all purpose business productivity software package that currently includes Multiplan, Chart, BASIC, and **The Apple Macintosh Book** by Cary Lu. Any student who owns a Mac will find many uses for this package. Multiplan is an Electronic spreadsheet, with rows and columns that can be addressed absolutely or relatively. Information can be entered as text, values or formulas, and Multiplan does all of the formula calculations automatically. Chart is a graphics presentation tool that formats data into professional charts. Chart automatically creates up to 40 standard chart forms which can be edited and customized to give the user many hundreds of possibilities. Chart also analyzes data using built in formulas to determine average, trend, and growth of selected series. Chart's seven graph formats include area, bar, column, line, pie, scatter, and combination. Data may be transferred from Multiplan to Chart by cutting or copying to either the clipboard or the scrapbook and pasting into a Chart program. Microsoft BASIC is an interpreter for programming applications in BASIC computer language. BASIC accepts input from and directs output to the screen, keyboard, line printer and clipboard, and utilizes the clipboard to pass data to and from a Multiplan worksheet. When the microsoft package is purchased, the buyer is eligible to purchase Microsoft's Word, a word processor, and File, and data base application for a substantial discount when these products become available. The MicroCenter is proud to offer this package at a greatly reduced price, so cash in on this deal now!

Multiplan

Microsoft Multiplan is the most powerful and easy-to-use electronic spreadsheet on the market. It is a perfect tool for anyone who does anything with numbers. Multiplan has built-in arithmetic and logic functions, so all you need to think about is what the numbers mean instead adding them up.

The worksheet is incredibly flexible; you can move and insert columns and rows and easily change column widths. You can even sort data and alphabetize lists. Worksheets can be linked together so that information updated on one will be updated on the other also. Multiplan can be linked with Microsoft Chart to make sharp-looking graphs that are updated with each additional entry.

Multiplan can be used for financial planning and accounting, business and personal budgeting, cash-flow analysis, forecasting, and because of its capability to "try out" different combinations of numbers, "what-if" analysis. The other uses of Multiplan are limited only by your imagination.

Karen Jones

MicroSoft Chart

MicroSoft's *Chart* is a business graphics program that may be used either by itself or in conjuction with other programs, such as MicroSoft *Word, Multiplan,* or *Basic. Chart* may also be used with *MacWrite. Chart* is an extremely user-definable package. That is, although 40 standard charting formats are provided, other various custom

formats may be created. As a matter of fact, even the 40 standard formats may be redone to the user's satisfaction. When data is entered, the type of chart one wishes to use may then be drawn from one of the formats. If it does not "look right" it may quickly be redrawn from any of the other formats.

To make documentation simple, text may be entered anywhere on a generated chart. Also, the title, lables, lines, legends, and so forth may be individually modified or positioned. Advanced features of *Chart* include the ability to overlay, expand, contract, shade, border, and enhance the appearance of a particular chart.

Chart, then, is a definite must for those who work with plottable data. With chart, one's creativity is limited only to his imagination!

DB Master

DBMaster™ Macintosh™ Version is an information management system from Stoneware™. (Now that we have met all the legal requirements, onward...).

DB Master allows you to freely arrange the file entry layout on the screen using the fonts, styles, and sizes available with the Mac. Operations are made available through use of pull-down menus. Reports can be printed to the screen, printer, or a text file on disk. This allows the report to be edited in MacWrite and pasted into MacPaint. This feature is highly desirable because it supports the Macintosh philosophy of data independence (Data generated is not restricted to the program, or family of programs, which created it.), and it makes up for the limited report generation capabilities of the product. The current version of DB Master produces reports in fairly simple, unadorned tables. This situation should be corrected in the next release of DB Master. According to John Dickerson, president of Stoneware, the Advanced Version of DB Master, available sometime next year, will be made available to purchasers of the current version for only the difference between the price of that version and the price of the Advanced Version. Such a deal!

Having dispensed with the main limitation, it is time to outline the features which I believe make this product the most attractive information management system available for the Macintosh today. First and foremost, file size. Data files can extend beyond a single disk, a feature unavailable in any of the other products of which I am aware. A file can fill up to 44 disks, or up to 20 megabytes on a hard disk drive. Second, DB Master is not copy-protected. This is not meant as encouragement to those people who steal software and justly earned revenues to programmers by illegal distribution of programs, but reflects my sentiments that no vital piece of business software should be made inherently less reliable through application of arcane protection schemes. Legal backups of such software as allowed by the Federal Copyright Laws should not depend on the limited (usually one or two) number of copies provided by the vendor, usually at an additional cost. Furthermore, copy-protection limits my ability to use certain peripherals, such as a hard disk drive, to full advantage. Finally, the company. Stoneware has proved itself conscientious in correcting the almost inevitable errors in its early shipments and in its plans for upgrading the product for early buyers as outlined above. The company does a reputable job of supporting its customers and enjoys an established history as one of the true software pioneers of this rapidly maturing (read conglomerating) industry.

Check this product out for yourself. Don't be a slave of your data, get DBMaster.

Ned Nowotny

Dollars and Sense

For many of my friends, handling their personal finances is at best a necessary evil. Attempting to keep track of where they stand financially seems very boring, difficult, and usually a waste of time in light of the other priorities in their life. Dollars and Sense is designed to take away the drudgery of personal finances while giving anyone an up to date status of their financial position with a minimum of work.

With Dollars and Sense you can establish budgets, manage credit cards, reconcile bank statements, write checks, make transactions automatically, make wise decisions on investments and even be reminded of bills you need to pay. At any time you can ask for detailed reports and vivid graphs that tell you exactly how you are doing. Income Statements, Balance Sheets, Cash Flow Analyses, Year-to-Date Summaries, and "What If?" Projections are all available with a few simple keystrokes.

Dollars and Sense will save you time, money and frustration. Rather than keeping your records in shoe boxes or disorganized in a filing cabinet, you will have them all in one place--your Dollars and Sense data disk. You know how important that is when April 15 rolls around. A few simple keystrokes in January will tell you what kind of feelings you will have toward the IRS for the next year.

Dollars and Sense can just as easily be used for the office. It is especially good for managers who need quick information on where the company stands today, as well as projected trends for the future.

For those who can't balance their checkbook or those who can do it in their sleep, Dollars and Sense is designed to make money management what it should be, simple, short and sweet. It makes dollars and sense to invest in Monogram's Dollars and Sense.

MacProject

For the MacUser who spends time planning events and juggling schedules Apple has introduced its project manager, MacProject. As a modern alternative to messy calendars and worn erasers, MacProject employs the unique features of the Mac to organize complex events into a classical chain of tasks, milestones and critical paths. The order and dependency of the events in a project are mapped in a left-to-right flow diagram. Using the interactive menu selections the operator can create schedules for construction projects, social events, academic semesters or just about any occurrence that requires time, cost, or resource constraints. Establishing a scenario is made simple by using the mouse to open task and milestone boxes. Dates, costs, and resources are entered with the keyboard. Experimenting with project efficiency is only a matter of varying input data and commanding MacProject to

calculate the effects of those changes on each step. As is the case of all Apple software items, MacProject is accompanied by well defined documentation and data is easily transferred to text documents. It should be a valuable addition to your software collection.

TK! Solver

TK! Solver is an advanced tool kit to help engineers and the like in solving mathematical relations. There are usually two methods of solving equations (in general, and with *TK! Solver*). One is "back-solving" and the other is "guessing."

Backsolving involves substitution of values into all variables except one. The program will then solve for the last unknown value. For simple algebraic equations this does not seem too impressive; however, as the complexity of equations arise, the usefulness of this feature becomes all too apparent.

Sometimes equations cannot be solved directly. With these kind of equations, an initial guess is necessary to "prime" the program's iteration technique. The iteration will then produce as close an answer as possible. By continuing to give better and better guesses, an accurate solution is possible with *TK! Solver*.

Thus, *TK! Solver* is a useful mathematical tool. It also allows for unit conversion (it automatically "links" the conversion formula to the input equation during the calculation process). A generic title for *TK! Solver* would be an "equation processor." Along with the main program come some supplemental solver packets. These include Financial Management and Mechanical Engineering. *TK! Solver* is a must for those who use mathematical equations to any great extent.

Chris Teo

MusicWorks

You don't have to be a musician to enjoy MusicWorks. Hayden Software has produced a program which enables you to create music or listen to over forty musical selctions ranging from classical favorites to simple melodies. MusicWorks includes a choice of eight distinctive instruments which can be used to make up four different voices or parts and has a composing range of eight octaves. It is easy to change the key signature just by clicking on the menu bar. This versatile program offers twelve variations which include vibrato and percussion. MusicWorks provides two methods to compose music, you can use the conventional staff, or a keyboard-like grid.

One of the features that I find most helpful keeps track of the note value and time signature simultaneously and moves the notes from measure to measure. In other words, it is impossible to put five quarter notes in a measure which holds only four. The fifth quarter note would automatically be placed as the first beat of the following measure.

MusicWorks is not a pretentious program , it delightfully allows you to tinker with the masterpieces of famous musicians or compose your own. Come by the MicroCenter store and hear for yourself!

MacPascal

Programing in Pascal can be a laborious task, as is known by all who debug these programs. As a person who has done much programing, I too have had a few nightmares about what might happen the first time I compiled my program. MacPascal had me dreaming peacefully after I wrote a 500 line program that had errors.

The reason for this is the way MacPascal lets you debug your program. It has a built in debugger that allows you to have a window open for the program listing and the output from your program at the same time! The window for the listing has a pointer (if you want it) to the line that is being executed at any given time. If an error should occur, you instantly know what line the error is on. You can then use the observation window to see the variable that is causing the error. Many clues are then given to the programer at this point, and fixing the error is trivial. The observation window allows many variables to be displayed at run time to check which one might be the problem on the line where the pointer is.

The description above is for a system error that will halt your program, but what about the logical errors that run through without system error? The MacPascal interpreter has program "stops" that can be installed at key points in your program. During run time these stops will halt the program and allow you to see what is happening. This is helpful when you don't need to step through every line in the program. Once you have found a logical problem the "step-step" option in MacPascal can then be initiated to walk through a procedure containing that problem.

If you have never programed in pascal before or if you have done it for years, MacPascal will definitely improve your programing efficiency and save you countless hours of work and worry. No programer with a Macintosh should be without MaPascal so get yours today!

MacForth

Forth is a computer language that was created in the late 1960's by Charles Moore. Ever since then, opinions have been sharply divided on the merits and demerits of Forth. On the one hand, Forth is said to operate with a human-like "thought process." On the other hand, Forth code is somewhat difficult to read.

MacForth was one of the first programming languages available for the *Macintosh*. It provides extensive trace and debugging capabilities. Windows can be used simultaneously for editting and executing code. Also, the user can define menus, as well as access almost all of the *Mac's* user interface toolbox, including the QuickDraw routines. *MacForth's* operating environment is, therefore, very *Mac*-like.

There are currently three levels of *MacForth*. The first level, Level 1, has user-defined and controlled menus, graphics, and windows. The progam features *Macintosh* file compatibility and an interactive compiler and interpreter. Level 2 includes an assembler, IEEE floating point, advanced graphics, text-editor support, and controls support. Level 3 includes a "snapshot" mode which allows users to create stand-alone applications.

Chris Teo

SofTech MicroSystems Designer Series

UCSD p-SYSTEM

The UCSD p-SYSTEM is an interactive operating system which includes various development utilities like a full screen editor, a file manager, a library manager and more. This environment was created at the University of California, San Diego and is now maintained and sold by SofTech MicroSystems. Currently, SofTech has two compiled languages that you may chose from to develop within the p-SYSTEM, they are UCSD Pascal and FORTRAN-77. Also, SofTech has a 68000 assembler that can be used in conjunction with their Pascal or FORTRAN to write procedures, functions or subroutines in 68000 assembly.

UCSD Pascal Development System

The UCSD Pascal Development System includes a fully developed UCSD Pascal compiler with extensions for accessing the Quick Draw and mouse routines that reside in the Macintosh's ROM. The package also comes with the UCSD p-SYSTEM. A big advantage to this development system is that it has been implemented on most of the popular microcomputers that are currently available. A very high level of source code compatibility has been maintained which makes it possible to transfer existing programs written in UCSD Pascal to the Macintosh with little or no modification needed. SofTech also has a FORTRAN-77 compiler and a 68000 assembler that can be purchased separately. You can add them to the system allowing you to write programs in Pascal that can be linked to external FORTRAN subroutines and/or 68000 assembly procedures and functions.

FORTRAN-77 Development System

The FORTRAN-77 Development System includes a fully developed p-SYSTEM FORTRAN-77 compiler. The package also comes with the UCSD p-SYSTEM. As with the UCSD Pascal Development System, a big advantage to this development system is that it has been implemented on most of the popular microcomputers that are currently available. A very high level of source code compatibility has been maintained which makes it possible to transfer existing programs written in FORTRAN-77 to the Macintosh with little or no modification needed. SofTech also has a UCSD Pascal compiler and a 68000 assembler that can be purchased separetely. You can add them to the system allowing you to write programs in FORTRAN that can be linked to external Pascal procedures and functions and/or 68000 assembly subroutines.

Advanced Development Tool Kit

The Advanced Development Tool Kit includes a 68000 assembler, a linker, a symbolic debugger, a native code generator, and other development utilities. This kit requires either the UCSD Pascal or FORTRAN-77 Development Systems.

MacTerminal

DPA 310 - EE 212 - CS 304 - ARAPANET - THE SOURCE - Dow Jones News/Retrieval - CompuServe - these as just a few of the reasons you may need MacTerminal, the new communications software available through the MicroCenter from Apple Computer, Inc. MacTerminal makes it easy to communicate with any other computer using your Macintosh, because it was designed exclusively for the user-friendly Macintosh environment.

Using MacTerminal, your telephone line, and a phone modem (Apple or another brand) you have a virtually unlimited supply of information at your fingertips. MacTerminal is easy for even the first-time telecommunicator to use. When MacTerminal is started up, all the many settings are pre-set so you will be able to "talk" to most systems without changing them. Of course you have complete flexibility to set the terminal up to your own needs and specifications. I have been using pre-release versions of MacTerminal for the past few months and have found it to be an excellent product, as is the final version I now possess. It has many features that make telecommunicating much easier and more fun than it has ever been.

Since MacTerminal is a terminal emulator, it can emulate the three most popular computer terminals - a Digital Equipment Corp. VT100, a Teletype(TTY), or an IBM 3278. You have the ability to use the type that best fits your needs depending on the host computer you are connected to. There are too many interesting features built into MacTerminal to mention here in much detail, but I would like to share my favorite one with you.

I really enjoy being able to type the programs I enter on the U.T. CDC Dual Cybers in MacWrite, save them as TEXT ONLY documents, and then, using the SEND FILE command, send the entire program to the CDC editor all at once. Not only do I save myself time by using the superior editing capabilities of MacWrite, I save my department money by using less computer time! (A noble gesture).

I would like to share with you many more features of MacTerminal, but I do have a space limitiation. If you need more information, I would suggest that you consult the July/August issue of Macworld, or come by the MicroCenter in either the Union or the Varsity. Happy Communicating!

Kensington: Surge Suppressor

Protect your Mac from power surges and voltage spikes that can cause you to lose valuable documents or possibly damage your machine. This handy 8 foot cord has a built-in surge suppressor that replaces your existing power cord.

Microsoft Basic Version 2.0 Upgrade

Microsoft has come out with an enhanced version of Basic for the Mac. Programs written under version 1 are compatible with version 2.0. The new version supports virtually all the Macintosh rom calls and makes it possible to write very Mac-like programs in Basic. It also supports both binary and binary coded decimal arithmetic. Binary arithmetic allows for very fast scientific computing, while binary coded decimal allows for very precise financial

calculations. You can write programs without using line numbers, and call subroutines by name. This makes for more readable programs. There is an excellent review of the new Basic in the December issue of MacWorld.

If you Basic before October 1, 1984, you can obtain your updated version by sending a check for $31.63, proof of purchase, and a note saying you bought it through the University of Texas MicroCenter to:

Microsoft Corporation
Box 97200
Bellvue, WA 98009
Attn: Yvonne de Quadros

If you received Basic on or after October 1, 1984, you can obtain a FREE update through the MicroCenter by bringing your receipt into the MicroCenter Store in the Varsity Cafeteria building. *Call before you come by we still have not received the updates.*

Disk-Based MacWrite

We expect to have a new version of MacWrite sometime in late December. The new version will allow you to write longer documents on a 128K Mac. You will be able to write documents as long as 50 pages on a 128K Mac or 250 pages on a 512K Mac. It also has the page number displayed in the little elevator box and some new line spacing features. FREE updates are available through the MicroCenter Store by bringing in one of your original MacWrite disks. As before, plan on leaving the disk overnight and do not leave any valuable documents on the disk as the updating process will completely erase the disk before putting the new version on it. If for some reason you do not have the original MacWrite disk, be sure to bring your receipt.

Lotus Announces Jazz for the Mac

Lotus announced their product for the Macintosh. It will be similar to their Symphony product for MS-DOS machines. It will combine a spreadsheet, word processor, database, graphics and communications into one package. It can work on data developed for 1-2-3. It is expected to ship in the first quarter of '85 (late March) and will require a 512K Mac with an external disk drive. It will retail for $595. The MicroCenter is still negotiating with Lotus and we do not know what our price will be.

New Hardware at the MicroCenter

Starting in January the MicroCenter will begin selling the entire IBM PC line from the PC Jr. through the new PC-AT. Shortly after that we expect to sell the Hewlett-Packard line. We will also carry numerous software titles and peripherals for both of these lines.

Buying a Database Part Two

The next article in buying a database will be in the January issue of the Newsletter.

December Class Schedule

Apple Orientations: The purpose of the class is to show you how simple it is to set up the Macintosh. In addition, it will cover procedures that you will use to operate the Mac with the software.

Date	Day	Time	Room No.
Dec. 6	Thurs.	2:00p - 3:30p	Room 4.404
Dec. 11	Tues.	1:30p - 3:00p	Room 4.108

MacWrite/MacPaint: In this class, we'll show you how use MacWrite to create documents and templates, organize your files, and use an external disk drive. With MacPaint, you will learn how to use the option, shift and command keys, create animated objects and more!

DATE	DAY	TIME	ROOM NO.
Dec. 5	Wed.	2:00p - 3:30p	Room 4.410
Dec. 10	Mon.	1:00p - 2:30p	Room 4.410
Dec. 12	Wed.	1:00p - 2:30p	Room 4.108

Microsoft Multiplan and Chart: Spreadsheets and charts are the topics of this class! You'll learn how to set up your spreadsheet and link it with Microsoft Chart which can create up to 40 different charts.

DATE	DAY	TIME	ROOM NO.
Dec. 7	Friday	1:30p - 3:00p	Room 4.410

ALL CLASSES ARE HELD IN THE TEXAS UNION

Register your Software

If you purchase software from us (or anyone else for that matter) please, PLEASE, *PLEASE*, register your software with the company! It only takes a few minutes of your time and 20¢ of your money and the benefits are substantial. You will be contacted about upgrades, and with some companies you will gain access to telephone hotlines that can help you through those frustrating moments. In most cases, the Texas Union MicroCenter will **not** be involved with upgrades. They are between you and the company. If you do not register, they will have no way to contact you.

Changing your Address? Please let us know!

In order for you to continue receiving these wonderful newsletters and notice of updates, we must have a current address. If you are moving, please send us a postcard with your new address on it. We think it is worth the effort.

Store Location and Hotline

Come by the Tx Union MicroCenter Store at our Varsity location on 21st. We're across from Jester and adjacent to the Varsity cafeteria. Our hours are 9am to 5pm monday through friday. The hotline (512-471-MACS), is staffed monday through friday from 8am to 5pm. Please call us if you have any questions.

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Texas Union MicroCenter
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Austin, Tx 78713-7338

Address Change Requested